

Applicant : Gordon W. Breuker et al.  
Appln. No. : 10/600,777  
Page : 2

In the Specification:

Please replace paragraph [0027] with the following amended paragraph.

The illustrated housing 32 of the mixing head assembly 30 includes a mixing chamber piston rod 50 and a cleanout piston rod 52 for assisting in pushing the last of the mixed fluid into the mold. The mixing chamber piston rod 50 is configured to slide within the input mix chamber passageway 34 and the cleanout piston rod 52 is configured to slide within the outlet passageway 36. After the first fluid and the second fluid are injected into the input mix chamber passageway 34 to form the mixed fluid during a mixing cycle, the mixed fluid will flow from the input mix chamber passageway 34 to the outlet passageway 36 and into the mold. When all of the mixed fluid to be placed into the mold is within all three of the mold, the outlet passageway 36 and the input mix chamber passageway 34 at the end of a timed mixed cycle, then the mixing chamber piston rod 50 is extended past the first input 38 and the second input 42 to stop the injection of the first fluid and the second fluid into the input mix chamber passageway 34 and to push the mixed fluid out of the input mix chamber passageway 34 into the outlet passageway 36. The mixing chamber piston rod 50 preferably includes an end 54 being convex as seen from the side (FIG. 1) and concave as seen from above (FIG. 3). The mixing chamber piston rod 50 also preferably includes a first recycle channel 56 allowing the first fluid to recycle to a first storage tank holding the first fluid and a second recycle channel 58 allowing the second fluid to recycle to a second storage tank holding the second fluid as the mixing chamber piston rod 50 covers the first input 38 and the second input 42. After the mixing chamber piston rod 50 has slid through the input mix chamber passageway 34 to push all of the mixed fluid into the outlet passageway 36, the cleanout piston rod 52 slides through the outlet passageway 36 to push the mixed fluid out of the discharge outlet 46. The housing 32 preferably includes a lubricant passage 60 for supplying lubricant to form a lubricating film on the mixing chamber piston rod 50 and the cleanout piston rod 52, thereby allowing the mixing chamber piston rod 50 and the cleanout piston rod 52 to easily slide within the input mix chamber passageway 34 and the outlet passageway 36, respectfully, and also

Applicant : Gordon W. Breuker et al.  
Appln. No. : 10/600,777  
Page : 3

preventing the mixed fluid from adhering to the surfaces of the mixing chamber piston rod 50 and the cleanout piston rod 52.